

<110> University of Lausanne et al.
<120> Cell-permeable peptide inhibitors of the JNK signal transduction pathway
<130> 20349-501B-061
<140> PCT/IB03/00332
<141> 2003-01-09
<150> 60/347,062
<151> 2002-01-09
<160> 40
<170> PatentIn Ver. 2.1
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<211> 12
<212> PRT
<213> Artificial Sequence
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<223> chemically synthesized
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Ser Val Ser Val Gly Met Pro Pro Ser Pro Arg Pro
1 5 10
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<221> VARIANT
<222> (2)
<223> wherein Xaa is any amino acid
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<222> (3)
<223> wherein Xaa is Ser or Pro
<220>
<221> VARIANT
<222> (5)
<223> wherein Xaa is Gly or Leu
<220>
<221> VARIANT
<222> (6)
<223> wherein Xaa is any amino acid
<220>
<223> chemically synthesized

<400> 2
Ser Xaa Xaa Val Xaa Xaa Pro Pro Ser Pro Arg Pro
1 5 10

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<220>
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<400> 3
Arg Lys Lys Arg Arg Gln Arg Arg Arg Ser Val Ser Val Gly Met Pro
1 5 10 15

Pro Ser Pro Arg Pro
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<210> 4
<211> 29
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<223> wherein Xaa is any amino acid

<220>
<223> chemically synthesized

<400> 4

Xaa Xaa Xaa Xaa Arg Lys Lys Arg Arg Gln Arg Arg Arg Xaa Xaa Xaa
 1 5 10 15

Xaa Ser Xaa Xaa Val Xaa Xaa Pro Pro Ser Pro Arg Pro
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<220>
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 <222> (6)
 <223> wherein Xaa is any amino acid

<220>
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<400> 5
 Ser Xaa Ser Val Gly Xaa
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<210> 6
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 <213> Artificial Sequence

<220>
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<400> 6
 Pro Pro Ser Pro Arg Pro
 1 5

<210> 7
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<220>
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<400> 7
 Ser Val Ser Val Gly Met Lys Pro Ser Pro Arg Pro
 1 5 10

<210> 8
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<220>
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<400> 8
 Ser Val Ser Val Gly Lys Asn Pro Ser Pro Arg His
 1 5 10

<210> 9
 <211> 12
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<220>
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 Thr Gln Pro Met Met Ala Pro Pro Ser Pro Arg Gln
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<220>
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<400> 10
 Leu Asp Ser Leu Cys His Pro Gln Ser Pro Arg Pro
 1 5 10

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<400> 11
 His Pro Phe Leu Val Ser Ser Ser Pro Arg Pro
 1 5 10

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<220>
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<400> 12
 Gly Gln Pro Phe Phe Ser Pro Phe Ser
 1 5

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<220>
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<400> 13
Pro Pro Ser Asn Leu Ile Pro Pro Thr Leu Arg
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<400> 14
Ser Pro Pro Ser Asn Leu
1 5

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<211> 11
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<220>
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<400> 15
Phe Asn Pro Trp Ser Ser Lys Pro Ser Leu Leu
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<210> 16
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<400> 16
Asn Ala Ser Val Gly Asn Asp His Ser His Ser His
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<400> 17

Glu His Met Ala Leu Thr Tyr Pro Phe Arg Pro
1 5 10

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<211> 12

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<220>

<223> chemically synthesized

<400> 18

Pro Arg Pro Ser Pro Pro Met Gly Val Ser Val Ser
1 5 10

<210> 19

<211> 12

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<221> VARIANT

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<221> VARIANT

<222> (11)

<223> wherein Xaa is any amino acid

<220>

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<400> 19

Pro Arg Pro Ser Pro Pro Xaa Xaa Val Xaa Xaa Ser
1 5 10

<210> 20

<211> 21

<212> PRT

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<220>

<223> chemically synthesized

<400> 20
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 Arg Arg Lys Lys Arg
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<220>
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<220>
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 <222> (26)..(29)
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<400> 21
 Pro Arg Pro Ser Pro Pro Xaa Xaa Val Xaa Xaa Ser Xaa Xaa Xaa Xaa
 1 5 10 15
 Arg Arg Arg Gln Arg Arg Lys Lys Arg Xaa Xaa Xaa Xaa
 20 25

<210> 22
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<220>
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<222> (5)
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<220>
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<400> 22
Xaa Gly Val Ser Xaa Ser
1 5

<210> 23
<211> 6
<212> PRT
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<220>
<223> chemically synthesized

<400> 23
Pro Arg Pro Ser Pro Pro
1 5

<210> 24
<211> 12
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<220>
<223> chemically synthesized

<400> 24
Pro Arg Pro Ser Pro Lys Met Gly Val Ser Val Ser
1 5 10

<210> 25
<211> 12
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<220>
<223> chemically synthesized

<400> 25
His Arg Pro Ser Pro Asn Lys Gly Val Ser Val Ser
1 5 10

<210> 26
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<220>

<223> chemically synthesized

<400> 26

Gln Arg Pro Ser Pro Pro Ala Met Met Pro Gln Thr
1 5 10

<210> 27

<211> 12

<212> PRT

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<220>

<223> chemically synthesized

<400> 27

Pro Arg Pro Ser Gln Pro His Cys Leu Ser Asp Leu
1 5 10

<210> 28

<211> 11

<212> PRT

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<220>

<223> chemically synthesized

<400> 28

Pro Arg Pro Ser Ser Ser Val Leu Phe Pro His
1 5 10

<210> 29

<211> 9

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<220>

<223> chemically synthesized

<400> 29

Ser Phe Pro Ser Phe Phe Pro Gln Gly
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<210> 30

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<220>

<223> chemically synthesized

<400> 30

Arg Leu Thr Pro Pro Ile Leu Asn Ser Pro Pro
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<220>
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<400> 31
Leu Asn Ser Pro Pro Ser
1 5

<210> 32
<211> 11
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<220>
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<400> 32
Leu Leu Ser Pro Lys Ser Ser Trp Pro Asn Phe
1 5 10

<210> 33
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<220>
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<400> 33
His Ser His Ser His Asp Asn Gly Val Ser Ala Asn
1 5 10

<210> 34
<211> 11
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<220>
<223> chemically synthesized

<400> 34
Pro Arg Phe Pro Tyr Thr Leu Ala Met His Glu
1 5 10

<210> 35
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<222> (2)..(3)
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<220>
<223> chemically synthesized

<400> 35
Pro Xaa Xaa Pro
1

<210> 36
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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represent any number of amino acid residues,
including zero

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<223> wherein Xaa is any amino acid and Xaa can
represent any number of amino acid residues,
including zero

<400> 36
Xaa Arg Lys Lys Arg Arg Gln Arg Arg Xaa
1 5 10

<210> 37
<211> 11
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represent any number of amino acid residues,
including zero

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<223> wherein Xaa is any amino acid and Xaa can
represent any number of amino acid residues,
including zero

<220>
<223> chemically synthesized

<400> 37
Xaa Arg Lys Lys Arg Arg Gln Arg Arg Arg Xaa
1 5 10

<210> 38
<211> 11
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<220>
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represent any number of amino acid residues,
including zero

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represent any number of amino acid residues,
including zero

<220>
<223> chemically synthesized

<400> 38
Xaa Arg Arg Arg Gln Arg Arg Lys Lys Arg Xaa
1 5 10

<210> 39
<211> 11
<212> PRT
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<220>
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represent any number of amino acid residues,
including zero

<220>
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<223> wherein Xaa is any amino acid and Xaa can
represent any number of amino acid residues,
including zero

<220>
<223> chemically synthesized

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Xaa Arg Arg Arg Gln Arg Arg Lys Lys Arg Xaa
1 5 10

<210> 40

<211> 56
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 <223> chemically synthesized

<400> 40
 Pro Lys Val Val Ala Leu Tyr Asp Tyr Gln Ala Arg Glu Ser Asp Glu
 1 5 10 15

 Leu Ser Phe Lys Lys Gly Asp Ile Ile Ile Val Leu Glu Lys Ser Asp
 20 25 30

 Asp Gly Trp Trp Lys Gly Arg Leu Lys Gly Thr Lys Glu Gly Leu Ile
 35 40 45

 Pro Ser Asn Tyr Val Glu Pro Val
 50 55